



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462

(757) 518-2000 Fax (757) 518-2009

www.deq.virginia.gov

David K. Paylor
Director

Maria R. Nold
Regional Director

Doug Domenech
Secretary of Natural Resources

DRAFT

Mr. Brian Davis
Plant Manager
Cameron Chemicals, Inc.
830 Old Dill Road
Suffolk, Virginia 23321

Location: Suffolk
Registration No.: 60231
AFS Id. No.: 51-800-00002

Dear Mr. Davis:

Attached is an amended state operating permit (SOP) to modify and operate a fertilizer micronutrients and raw materials processing plant in accordance with the provisions of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit supersedes your SOP dated May 4, 2006.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation, civil charges, and/or possibly criminal prosecution. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on November 13, 2013 and solicited written public comments by placing a newspaper advertisement in the Tidewater News newspaper on Wednesday, January 8, 2014. The required comment period, provided by 9 VAC 5-80-1170 D, expired on Friday, February 7, 2014.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 calendar days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-200 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 calendar days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
PO Box 1105
Richmond, VA 23218-1105

If this permit was delivered to you by mail, three (3) calendar days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact the DEQ Tidewater Regional Office by phone at (757) 518-2006.

Sincerely,

Troy D. Breathwaite
Regional Air Permits Manager

TDB/JIM/60231_Cameron Chemical November 2013 SOPsigamd.docx

Attachments: Permit

cc: Manager, Data Analysis (electronic file submission)
Manager/Inspector, Air Compliance
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III (electronic file submission)



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STATIONARY SOURCE PERMIT TO OPERATE

This permit supersedes your permit dated May 4, 2006.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Cameron Chemicals, Inc.
830 Old Dill Road
Suffolk, Virginia 23321
Registration No.: 60231
AFS Id. No.: 51-800-00002

is authorized to operate

a fertilizer micronutrients and raw materials processing plant

located at

830 Old Dill Road
Suffolk, Virginia

in accordance with the Conditions of this permit.

Approved on:

DRAFT PERMIT

Maria R. Nold

MM-dd-2013

Signature Date

Permit consists of 10 pages.
Permit Conditions 1 to 33.

INTRODUCTION

1. This permit approval is based on the permit application dated July 22, 2002, including the amendment information dated August 29, 2002, November 5, 2002, November 20, 2002, February 6, 2006, October 17, 2013, and November 12, 2013. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, § 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

PROCESS REQUIREMENTS

2. **Equipment List** - Equipment at this facility consists of the following:

| Equipment previously permitted | | | |
|--------------------------------|--|---------------------|----------------------|
| Reference No. | Equipment Description | Rated Capacity | Original Permit Date |
| D-1 | 8 MMBtu/hr rotary drum dryer (7' diameter x 35' long) | 15 tph raw material | November 26, 2002 |
| G-1 | Granulator | 30 tph | November 26, 2002 |
| C-1 | Primary cyclone | 90 – 95% efficient | November 26, 2002 |
| C-2 | Secondary cyclone | 85 – 90% efficient | November 26, 2002 |
| S-1 | Wet venturi scrubber | 95 – 99% efficient | November 26, 2002 |
| SR-1 | Solids recovery tank | --- | November 26, 2002 |
| C-3 | Cyclonic separator | --- | November 26, 2002 |

Specifications included in the permit under this Condition are for informational purposes only and do not form enforceable terms or conditions of the permit.
(9 VAC 5-80-850 and 9 VAC 5-80-1180 D 3)

3. **Emission Controls** - Particulate emissions from the rotary drum dryer (Equipment Ref. No. D-1) shall be controlled by two (2) dry cyclones (Equipment Ref. Nos. C-1 and C-2), wet venturi scrubber (Equipment Ref. No. S-1) and cyclonic separator (Equipment Ref. No. C-3). The rotary drum dryer particulate control devices shall be provided with adequate access for inspection and shall be in operation whenever fertilizer production operations are occurring at the facility.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

4. **Emission Controls** - Particulate emissions from the transfer points at the weigh hopper, holding hopper, feed elevator, conveyors, and granulator feed inlet shall be controlled by wet suppression. The emissions control measure shall consist of, but not be limited to, raising the moisture content of the incoming raw materials, as necessary, to prevent particulates from becoming airborne at these transfer points during fertilizer production operations.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
5. **Emission Controls** - Raw material(s) that have been determined by the permittee to require increased moisture content shall be transferred to Storage Bin 31, except for copper materials which shall be transferred to Storage Bins 1 - 3 located outside the facility. Water from the wet venturi scrubber (Equipment Ref. No. S-1) shall be added and worked into the raw material(s) in amounts determined to be adequate by the permittee to prevent particulates from the raw material(s) from becoming airborne during fertilizer production operations. The permittee shall note in the daily production reports that: 1) it was necessary to add water to the raw materials or 2) no visible emissions were noted at the granulator feed inlet.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
6. **Emissions Monitoring Observations** - The permittee shall, at the beginning of each operating day, monitor for particulate emissions at the raw materials loading area near the weigh hopper. Should visible particulate emissions be observed, the raw materials shall undergo processing to increase the moisture content of the material(s). During fertilizer production operations, should visible emissions be noted from the raw material transfer points listed in Condition 4 above, operations shall be halted and the emissions control measure described in Condition 5 shall be implemented. Excess visible emissions occurring in the building for a period longer than one (1) hour shall be documented in a record log (written or electronic format) and be reported as a malfunction to DEQ per Conditions 27 and 28 of this permit. The record log shall include the date, time, duration, description, corrective action(s) undertaken, and the name of person generating the record. The record log shall current for the most recent five (5) years and be made available for inspection by the DEQ.
(9 VAC 5-80-850)
7. **Fugitive Dust Emission Controls** - Fugitive dust emission controls shall include the following, or equivalent, as approved by DEQ, as minimum:
 - a. All material being stockpiled shall be kept adequately moist to control dust during storage and handling or covered at all times to minimize emissions;
 - b. Dust from haul roads and traffic areas shall be controlled by the application of asphalt, water, suitable chemicals, or equivalent methods approved by the DEQ; and
 - c. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. These measures shall include paving the entrance road to the facility for an adequate distance from the public road. Trucks leaving the site shall have clean wheels. Dirt, product, or raw material spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.
(9 VAC 5-50-90, 9 VAC 5-80-850, and 9 VAC 5-50-260)

8. **Monitoring Devices** - The wet venturi scrubber (Equipment Ref. No. S-1) and the cyclonic separator (Equipment Ref. No. C-3) shall be equipped with a device to continuously measure the differential pressure drop across the scrubber/cyclonic separator. The wet venturi scrubber and/or cyclonic separator liquid flow rate or the scrubber refresh flow rate shall be monitored through the use of calibrated orifices and the scrubber liquid pump amperages. Each monitoring device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the fertilizer production operations are occurring at the facility. (9 VAC 5-80-850 and 9 VAC 5-50-260)
9. **Monitoring Device Observation** - The differential pressure drop across the scrubber/cyclonic separator and the liquid flow rate or scrubber refresh flow rate shall be observed by the permittee with a frequency of not less than once per day when fertilizer production operations are occurring at the facility. The permittee shall keep a record log of the observations which shall include the name of the observer, the date and time of the observation, and any corrective actions undertaken. The record log shall current for the most recent five (5) years and be made available for inspection by the DEQ. (9 VAC 5-80-850)

OPERATING LIMITATIONS

10. **Production** - The production of fertilizer products shall not exceed 36,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9 VAC 5-80-850 and 9 VAC 5-50-260)
11. **Processing** - The production of fertilizer products containing manganese compounds shall not exceed 15,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9 VAC 5-80-850 and 9 VAC 5-50-260)
12. **Fuel** - The approved fuels for the rotary drum dryer (Equipment Ref. No. D-1) are distillate fuel oil and natural gas. A change in the fuels burned by the dryer may require a permit to modify and operate. (9 VAC 5-80-850 and 9 VAC 5-50-260)
13. **Fuel Throughput** - The rotary drum dryer (Equipment Ref. No. D-1) shall consume no more than 40 million cubic feet of natural gas per year, and/or 130,000 gallons/year of distillate fuel oil, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9 VAC 5-80-850 and 9 VAC 5-50-260)
14. **Fuel** - The distillate fuel oil burned by the rotary drum dryer (Equipment Ref. No. D-1) shall meet the specifications below:
DISTILLATE OIL which meets the ASTM D396 specifications for Grades 1 or 2 fuel oil:
Maximum sulfur content per shipment: 0.5%
(9 VAC 5-80-850 and 9 VAC 5-50-260)

15. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

- a. The name of the fuel supplier;
- b. The date on which the distillate oil was received;
- c. The quantity of distillate oil delivered in the shipment;
- d. A statement that the distillate oil complies with the American Society for Testing and Materials specification (ASTM D396) for Grades 1 or 2 fuel oil; and
- e. The sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition 14. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45, Certification for Noncommercial Environmental Laboratories, or 1VAC30-46, Accreditation for Commercial Environmental Laboratories. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-850)

EMISSION LIMITS

16. **Rotary Drum Dryer Emission Limits** - Emissions from the rotary drum dryer used in the fertilizer micronutrient and raw materials operations shall not exceed the limits specified below:

| | | |
|-----------------------------------|-------------|--------------|
| Particulate Matter | 20.4 lbs/hr | 12.3 tons/yr |
| PM-10 | 20.4 lbs/hr | 12.2 tons/yr |
| PM-2.5 | 20.4 lbs/hr | 12.2 tons/yr |
| Sulfur Dioxide (SO ₂) | 4.2 lbs/hr | 4.7 tons/yr |
| Nitrogen Oxides | 1.2 lbs/hr | 3.3 tons/yr |
| Carbon Monoxide | 0.7 lbs/hr | 2.0 tons/yr |
| Manganese Compounds | 9.8 lbs/hr | 2.5 tons/yr |

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 3, 10 - 15, 21, and 23.

(9 VAC 5-80-850, 9 VAC 5-50-180, and 9 VAC 5-50-260)

17. **Conveyor Emission Limits** - Emissions from the conveyors used in the fertilizer micronutrient and raw materials operations shall not exceed the limits specified below:

| | |
|--------------------|-------------|
| Particulate Matter | 6.0 tons/yr |
| PM-10 | 6.0 tons/yr |
| PM-2.5 | 6.0 tons/yr |

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 4, 6, 10, and 11. (9 VAC 5-80-850, 9 VAC 5-50-180, and 9 VAC 5-50-260)

18. Facility wide Emission Limits - Emissions from the operation of the fertilizer micronutrient and raw materials operations shall not exceed the limits specified below:

| | |
|-----------------------------------|--------------|
| Particulate Matter | 19.1 tons/yr |
| PM-10 | 19.0 tons/yr |
| PM-2.5 | 19.0 tons/yr |
| Sulfur Dioxide (SO ₂) | 4.7 tons/yr |
| Nitrogen Oxides | 3.3 tons/yr |
| Carbon Monoxide | 2.0 tons/yr |
| Manganese Compounds | 2.5 tons/yr |

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 3, 4, 6, 10 - 15, 19 - 21, and 23.
 (9 VAC 5-80-850, 9 VAC 5-50-180, and 9 VAC 5-50-260)

19. Toxics, Hazardous Air Pollutants - As of the date of this permit, the permittee is limited to use of the following particulate toxic compounds or hazardous air pollutants (HAPs) in the granulation of fertilizer micronutrient products:

| <u>Particulate Toxic Compound or HAP</u> | <u>CAS Number</u> |
|--|-------------------|
| Manganese Compounds | No CAS number |

The permittee may use additional toxic compounds or HAPs (listed in Attachment A) in the fertilizer micronutrient and raw materials operation under 9 VAC 5-60-300 C without obtaining a new permit provided the following conditions are met:

- a. Notification shall be given to the DEQ Tidewater Regional Office. Such notification shall be made within fifteen (15) calendar days after the use of additional toxic compounds or HAPs and shall include identification of the toxic compound or HAP, the date the toxic compound or HAP was first used, and the anticipated maximum throughput of that compound in lbs/hr and tons/yr. Additional details of the notification should be arranged with the DEQ Tidewater Regional Office;
- b. The permittee shall operate this facility in compliance with 9 VAC 5 Chapter 60, Article 5, for all toxic compounds or HAPs;
- c. The permittee shall not use any toxic compound or HAP which would make the facility subject to federal emission standards in 40 CFR 61 or 40 CFR 63; and
- d. If a permit is required, failure to obtain the permit prior to the change in process formulation or the use of any additional toxic compound or HAP may result in enforcement action.

(9 VAC 5-170-160 and 9 VAC 5-60-300)

20. Emission Limits - Hazardous air pollutant (HAP) emissions, as defined by §112(b) of the Clean Air Act, from the facility shall not exceed 10 tons per year of any individual HAP or 25 tons per year of any combination, calculated monthly as the sum of each consecutive 12-month period. HAPs which are not accompanied by a specific CAS number, as listed in Attachment A, shall be calculated as the sum of all compounds containing the named chemical when determining compliance with the individual HAP emissions limitation of 10 tons per year.

(9 VAC 5-170-160 and 9 VAC 5-60-300)

21. **Visible Emissions** - Visible emissions from the exhaust stack of the wet venturi scrubber (Equipment Ref. No. S-1) and the feed inlet of the granulator (Equipment Ref. No. G-1) shall each not exceed five percent (5%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times when the fertilizer production operations are occurring at the facility.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
22. **Visible Emissions Observations** - The permittee shall, at a minimum, perform daily visible emissions observations (VEO) on the exhaust stack of the wet venturi scrubber (Equipment Ref. No. S-1) and the feed inlet of the granulator (Equipment Ref. No. G-1) for at least a six-minute period at each observation location when operations are occurring. If visible emissions are noted, the permittee shall check on the reason for the visible emissions and take appropriate measures to eliminate such visible emissions. If further actions are not feasible, operations may continue in compliance with the permitted opacity limit listed in Condition 21 of this permit. The permittee shall document in a record log the daily inspections and results, including the occurrence of any such observed visible emissions events. The record log shall include the name of the observer, the date and time of the noted event and a description of any corrective actions taken, including the date and time the repairs were completed. These records shall be current for the most recent five (5) years and be maintained on-site for inspection upon request.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

RECORDS

23. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ Tidewater Regional Office (Air Compliance). These records shall include, but are not limited to:
- Annual production of fertilizer products (in tons), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;
 - Annual production of fertilizer products containing manganese compounds (in tons), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;
 - Annual consumption of distillate oil (in gallons) and natural gas (in million cubic feet), each calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;
 - Material Safety Data Sheets (MSDS) or other vendor information showing toxic compound or HAP content for fertilizer products produced containing manganese compounds and for any other product produced in the future with toxic or HAP content;
 - Monthly and annual emissions (in pounds or tons) of each toxic compound or HAP listed or subsequently approved under Condition 19 of the permit. Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period;
 - Monthly emissions calculations for criteria pollutants from the scrubber stack using calculation methods approved by the DEQ Tidewater Regional Office to verify compliance with the lb/hr and ton/yr emission limitations in Condition 16 of the permit. The annual emissions shall be calculated monthly, as the sum of each consecutive 12-month period;

- g. All fuel supplier certifications;
- h. Daily operation and control device monitoring records for the differential pressure drop and scrubber water flow rate or refresh flow rate readings listed in Condition 9 of the permit;
- i. VEO record log required by Condition 22 and malfunction records required by Conditions 28 and 29 of the permit;
- j. Daily production reports documenting any water added to increase moisture content of the raw material(s); and
- k. Records of scheduled and unscheduled maintenance and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-900 and 9 VAC 5-50-50)

24. **Emissions Testing** - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. This includes constructing the facility such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and providing stack or duct that is free from cyclonic flow. Test ports shall be provided when requested at the wet venturi cyclonic exhaust stack (reference 40 CFR Part 60, Appendix B).

(9 VAC 5-50-30 F and 9 VAC 5-80-890)

GENERAL CONDITIONS

25. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:

- a. Knowingly makes material misstatements in the permit application or any amendments to it;
- b. Fails to comply with the conditions of this permit;
- c. Fails to comply with any emission standards applicable to a permitted emissions unit;
- d. Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or
- e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9 VAC 5-80-1010)

26. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.
(9 VAC 5-170-130)

27. Maintenance/Operating Procedures - At all times, including periods of start-up, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E)

28. Record of Malfunctions - The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown, or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one (1) hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.
(9 VAC 5-20-180 J)

29. Notification for Facility or Control Equipment Malfunction - The permittee shall furnish notification to the DEQ Tidewater Regional Office (Air Compliance) of malfunctions at the affected facility or related air pollution control equipment that may cause excess emissions for more than one (1) hour, by facsimile transmission, telephone, or electronic mail (e-mail). Such notifications shall be made as soon as practicable but no later than four (4) daytime business hours after a malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two (2) calendar weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the DEQ Tidewater Regional Office (Air Compliance).
(9 VAC 5-20-180 C)

30. **Facility or Control Equipment Malfunction - Hazardous Air Pollutant Processes** - The processes listed below shall, upon request of the Department, shut down immediately if the related emissions increase in any amount because of a bypass, malfunction, shutdown or failure of the process or its associated air pollution control equipment. The processes shall not return to operation until it and the associated air pollution control equipment are able to operate in the proper manner.

PROCESS: Manganese micronutrient product processing

Equipment subject to state standards for HAPs:

- a. Two (2) dry cyclones, wet venturi scrubber, and the wet cyclone.
(9 VAC 5-20-180 F 3)

31. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I)

32. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Air Permits Manager at the DEQ Tidewater Regional Office regarding the change of ownership within 30 calendar days of the transfer.
(9 VAC 5-80-940)

33. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9 VAC 5-80-860 D)